## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A method for preparing an area for fabrication of a metal gate electrode with multiple work functions, the method comprising the steps of:

depositing a material having a first work function;

forming a conductive hard mask including at least one of a metal containing conductor and a metal silicide over the material;

using a photoresist mask to remove the conductive hard mask from an area for a device having a second, different work function selective to the material; and

removing the photoresist mask, leaving the conductive hard mask for use in removing the material from the area and inclusion in the metal gate electrode.

- 2. (Original) The method of claim 1, wherein the metal silicide includes one of tungsten silicide (WSi), titanium silicide (TiSi<sub>x</sub>), tantalum silicide (TaSi<sub>x</sub>), nickel silicide (NiSi), cobalt silicide (CoSi<sub>x</sub>), and the metal containing conductor includes one of tantalum nitride (TaN) and tantalum silicon nitride (TaSiN).
- 3. (Original) The method of claim 1, wherein the conductive hard mask has a thickness of no less than 10 Å and no greater than 500 Å.

Appl. No. 10/711,642 Reply to Office Action of 06/29/05

Page 2 of 10

- 4. (Original) The method of claim 3, wherein the conductive hard mask has a thickness of no less than 20 Å and no greater than 250 Å.
- 5. (Original) The method of claim 1, wherein the photoresist removing step includes conducting a wet etch using a chemistry including at least one of sulfuric acid (H<sub>2</sub>SO<sub>4</sub>) and peroxide (H<sub>2</sub>O<sub>2</sub>).
- 6. (Currently Amended) A method of forming a gate electrode, the method comprising the steps of:

forming a gate dielectric;

depositing a first metallic conductor having a first work function;

depositing a conductive hard mask on the first metallic conductor including at least one of a metal containing conductor and a metal silicide;

removing the conductive hard mask from an area for a particular device type using a photoresist mask selective to the first metallic conductor;

removing the photoresist mask;

removing the first metallic conductor in the area with a remaining portion of the conductive hard mask protecting the first metallic conductor;

depositing a conductor; and

forming the gate electrode including the remaining portion of the conductive hard mask.

7. (Original) The method of claim 6, wherein the conductor depositing step includes

Appl. No. 10/711,642 Reply to Office Action of 06/29/05

Page 3 of 10

depositing a second metallic conductor having a different, second work function, and depositing a silicon-containing conductor.

- 8. (Original) The method of claim 6, wherein the conductor depositing step includes depositing a silicon-containing conductor.
- 9. (Original) The method of claim 8, wherein the first metallic conductor includes a p-type metal, and the silicon-containing conductor is highly doped n-type.
- 10. (Original) The method of claim 6, wherein the metal silicide includes one of tungsten silicide (WSi), titanium silicide (TiSi<sub>x</sub>), tantalum silicide (TaSi<sub>x</sub>), nickel silicide (NiSi), cobalt silicide (CoSix), and the metal containing conductor includes one of tantalum nitride (TaN), tantalum silicon nitride (TaSiN).
- 11. (Original) The method of claim 6, wherein the conductive hard mask has a thickness of no less than 10 Å and no greater than 500 Å.
- 12. (Original) The method of claim 11, wherein the conductive hard mask has a thickness of no less than 20 Å and no greater than 250 Å.
- 13. (Original) The method of claim 6, wherein the conductive hard mask removing step includes conducting one of a wet etch and a reactive ion etch.

Appl. No. 10/711,642

Reply to Office Action of 06/29/05

Page 4 of 10

14. (Original) The method of claim 6, wherein the photoresist mask removing step includes conducting

a wet etch using a chemistry including at least one of sulfuric acid ( $H_2SO_4$ ) and peroxide ( $H_2O_2$ ).

- 15. (Original) The method of claim 14, wherein the first metallic conductor removing step includes using the wet etch.
- 16. (Currently amended) A method of forming a metal gate electrode with multiple work function, the method comprising the steps of:

depositing a dielectric on a substrate;

depositing a first metallic conductor having a first work function over the dielectric;

depositing a conductive hard mask on the first metallic conductor including at least one of a metal containing conductor and a metal silicide;

removing the conductive hard mask from an area for a particular device type using a photoresist mask;

removing the photoresist mask to a remaining portion of the conductive hard mask; removing the first metallic conductor in the area using the remaining portion of the conductive hard mask to protect the first metallic conductor;

depositing a second metal having a second, different work function in the area;

depositing a silicon-containing conductor over the first and second metals; and

forming the metal gate electrode including the remaining portion of the conductive hard

Appl. No. 10/711,642 Reply to Office Action of 06/29/05

Page 5 of 10

mask.

- 17. (Original) The method of claim 16, wherein the metal silicide includes one of tungsten silicide (WSi), titanium silicide (TiSi<sub>x</sub>), tantalum silicide (TaSi<sub>x</sub>), nickel silicide (NiSi), cobalt silicide (CoSi<sub>x</sub>), and the metal containing conductor includes one of tantalum nitride (TaN), tantalum silicon nitride (TaSiN).
- 18. (Original) The method of claim 16, wherein the conductive hard mask has a thickness of no less than 10 Å and no greater than 500 Å.
- 19. (Original) The method of claim 18, wherein the conductive hard mask has a thickness of no less than 20 Å and no greater than 250 Å.
- 20. (Original) The method of claim 16, wherein the conductive hard mask removing step includes conducting one of a wet etch and a reactive ion etch.

Appl. No. 10/711,642 Reply to Office Action of 06/29/05

Page 6 of 10